

C L A I M S

1. A complex of structural elements for forming glass brick walls, characterised by comprising:
 - a substantially C-shaped aluminium profile bar (2) for perimetally bounding the wall,
 - a plurality of dividers (6) horizontally separating each glass brick from the adjacent one and having at least their exposed longitudinal edges of aluminium,
 - a plurality of horizontal aluminium stringers (4) consisting of a horizontal web (14) provided at least along one longitudinal edge with a T-shaped appendix (18), said web being provided at regular intervals with seats for fixing the uprights of said dividers, said stringers being provided at their ends (22) with elements to be removably coupled to the interior of the vertical C-shaped profile bars.
2. A complex as claimed in claim 1, characterised in that the side walls of the C-shaped profile bars present an inner surface provided with two pairs of ribs (10), each rib being provided on that surface facing the other rib with an engagement tooth (12).
3. A complex as claimed in claim 1, characterised in that the central web (14) of the horizontal stringer is provided at its ends with cylindrical portions (16) for fixing the coupling elements by screws.
4. A complex as claimed in claim 1, characterised in that the stringer fixing seats consist of holes (20) for engagement by pins (34) which also engage the ends of the divider uprights.
5. A complex as claimed in claim 1, characterised in that the coupling elements consist of a substantially rectangular element which has its minor sides

(24) faceted and comprises slotted holes (26) of curved extension said sides consisting of a flat portion (28) and a curved portion (30), the distance between the flat portions being substantially equal to the distance between the facing cavities formed by the ribs (10) of the profile bar (2).

6. A complex as claimed in claim 1, characterised in that the divider consists of ladder-shaped plastic spacers (56) provided at their ends with coupling elements (58), the vertical portions (60) of which are shaped to snap-engage in an aluminium profile bar (60).

7. A complex as claimed in claim 1, characterised by comprising a bar (36) provided in one of its minor sides with slotted holes (38) terminating with an eyelet (40) through which pins (42) are inserted, to be axially engaged in said holes by nuts 44, and are locked by their threaded ends in holes provided in the edges of the horizontal stringer 4.

8. A complex as claimed in claim 1, characterised by comprising an H-shaped profile bar, the flanges of which embrace two back-to-back C-shaped profile bars (2), and which is also provided with two U-shaped appendices (48) which when assembled form a seat (50) for the insertion of a head (52) provided at the end of a pin (54).

9. A complex as claimed in claim 1 characterised in that each divider and/or for each stringer are made of wood and are provided at their ends with two seats for the snap engagement of an aluminium T-shaped appendix.